H67M-ITX/HT

Intel® H67 Chipset

ASRock
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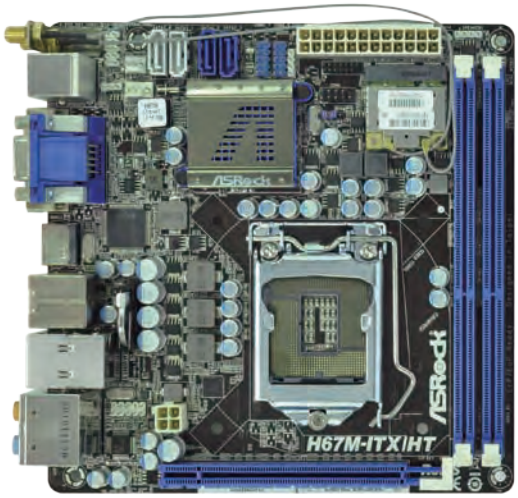

Product Brief

- ASRock DuraCap (2.5 x longer life time, 100% Japan-made high-quality Conductive Polymer Capacitors)
- Supports Intel® K-Series unlocked CPU
- Supports Dual Channel DDR3 1333
- Intel® HD Graphics 2000/3000 and new Visual Features, DX10.1, Pixel Shader 4.1
- Supports Blu-ray Stereoscopic 3D with HDMI 1.4a
- Multi VGA Output options: D-Sub, DVI-D, HDMI
- 2 x SATA3, 2 x USB 3.0, 1 x eSATA2, 2 x Antenna Ports
- Supports AXTU, UEFI, XFast USB, Instant Boot, Instant Flash, APP Charger, Good Night LED, SmartView
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), THX TruStudio PRO™ and Premium Blu-ray audio suppport
- Free Bundle:1 x 3D Red/Cyan Anaglyph Glasses, 1 x MCE Remote Controller, 1 x Multi-Angle CIR Remote Receiver, 1 x ASRock WiFi 2.4GHz Antenna

Detail Specification

Platform	- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm - All Solid Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)
CPU	- Supports 2nd Generation Intel® Core™ i7 / i5 / i3 in LGA1155 Package - Supports Intel® Turbo Boost 2.0 Technology - Supports Intel® K-Series unlocked CPU - Supports Hyper-Threading Technology
Chipset	- Intel® H67
Memory	- Dual Channel DDR3 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 1333/1066 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB
Expansion Slot	- 1 x PCI Express 2.0 x16 slot (blue @ x16 mode) - 1 x Mini-PCI Express expansion slot: For WiFi module
Graphics*	* Requires Processor with Intel® Graphics Technology - Intel® HD Graphics 2000/3000 and new Visual Features - Pixel Shader 4.1, DirectX 10.1 - Max. shared memory 1759MB - Multi VGA Output options: D-Sub, DVI-D and HDMI - Supports HDMI 1.4a Technology with max. resolution up to 1920x 1200 @ 60Hz - Supports DVI with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required) - Supports Blu-ray Stereoscopic 3D with HDMI 1.4a - Supports HDCP function with DVI and HDMI ports - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI and HDMI ports
Audio	- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) - Premium Blu-ray audio support - Supports THX TruStudio PRO™
LAN	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111E - Supports Wake-On-LAN - Supports LAN Cable Detection - Supports Energy Efficient Ethernet 802.3az
Wireless LAN	WiFi-802.11n module - 300Mbps IEEE 802.11n / 54Mbps IEEE 802.11g / 11Mbps IEEE 802.11b - Supports Station mode (Infrastructure mode and Ad-hoc mode)
Rear Panel I/O	I/O Panel - 2 x Antenna Ports - 1 x PS/2 Keyboard Port - 1 x VGA/D-Sub Port - 1 x VGA/DVI-D Port - 1 x HDMI Port - 1 x Optical SPDIF Out Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x eSATA2 Connector - 2 x Ready-to-Use USB 3.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphonee
SATA3	- 2 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, RAID 5 and Intel Rapid Storage), NCQ, AHCI and "Hot Plug" functions
USB 3.0	- 2 x USB 3.0 ports by Etron EJ168A, support USB 1.0/2.0/3.0 up to 5Gb/s
Connector	- 2 x SATA2 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, RAID 5 and Intel Rapid Storage),NCQ, AHCI and Hot Plug functions - 2 x SATA3 6.0 Gb/s connectors - 1 x CIR header - 1 x COM port header - 1 x Power LED header - 1 x Print Port header - 1 x Power LED header - CPU/Chassis FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
BIOS Feature	- 64Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - IGPU, DRAM, PCH, CPU PLL, VTT, VCCSA Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), - ASRock Software Suite (CyberLink DVD Suite - OEM and Trial)

Unique Feature	- ASRock Extreme Tuning Utility (AXTU)
	- Instant Boot
	- ASRock Instant Flash
	- ASRock AIWI
	- ASRock APP Charger
	- SmartView
	- ASRock XFast USB
	- Hybrid Booster:
	  - ASRock U-COP
	  - Boot Failure Guard (B.F.G.)
	- Good Night LED

Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU/Chassis Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU or MB Temperature) - CPU Fan Multi-Speed Control - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 7 / 7 64-bit / VistaTM / Vista™ 64-bit / XP / XP 64-bit compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables (Optional) - 1 x 3D Red/Cyan Anaglyph Glasses (Optional) - 1 x MCE Remote Controller (Optional) - 1 x Multi-Angle CIR Remote Receiver (Optional) - 1 x ASRock WiFi 2.4GHz Antenna (Optional)

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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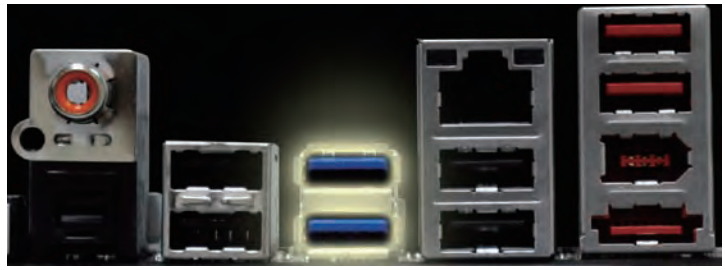
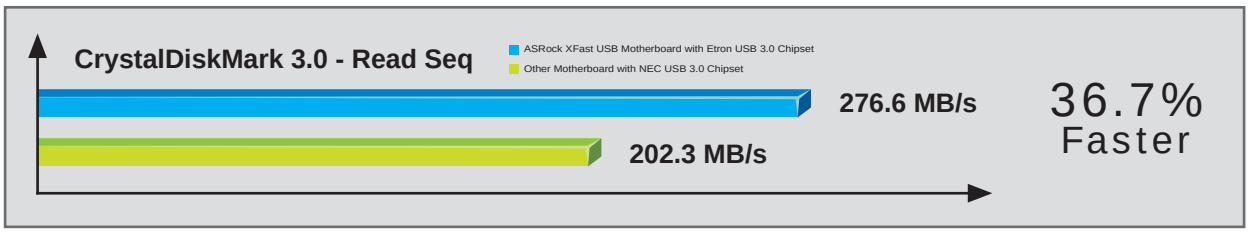
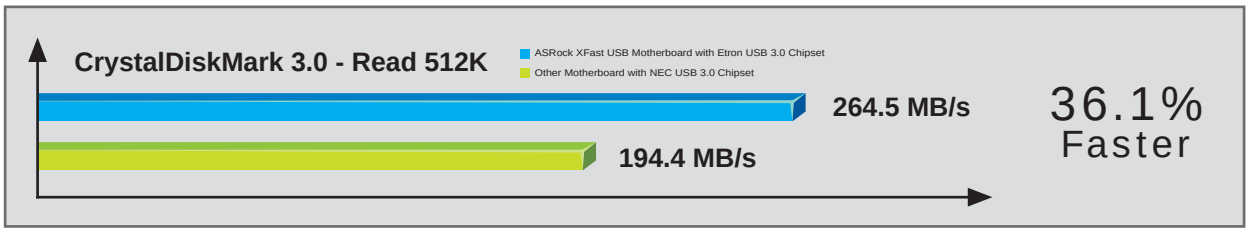
ASRock XFast USB Technology - Faster Than Your Imagination!

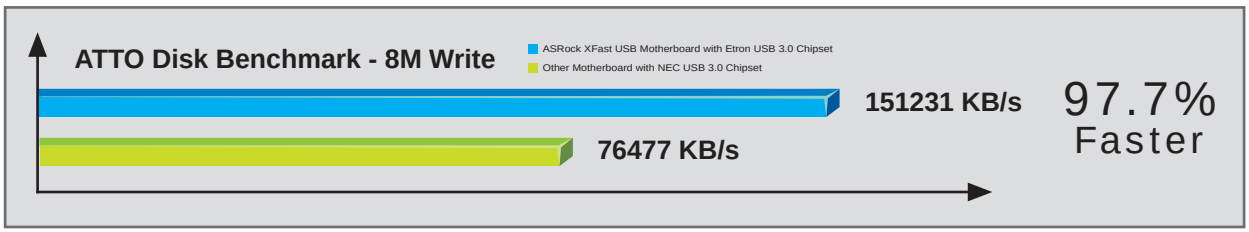


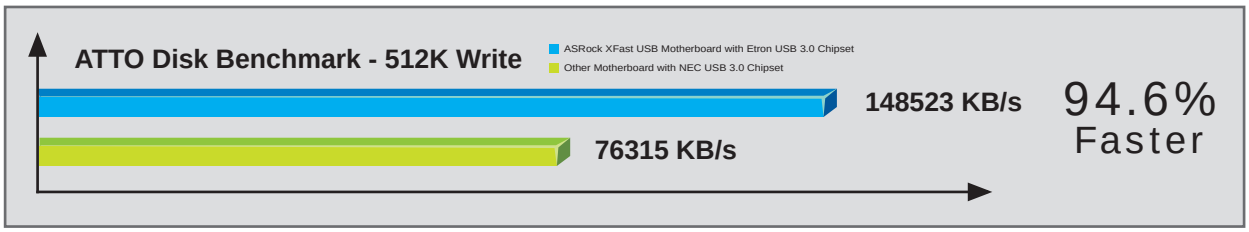
(The rear I/O photo is example only)

ASRock XFast USB Technology redefines the new standard in high performance computing. Proving once again to be the pioneer in motherboard industry, ASRock XFast USB Series Motherboards integrate with the latest XFast USB Technology which delivers the world's fastest USB data transfer speed. According to the below graph, it shows that the ASRock XFast USB technology can even boost USB 3.0 performance up to 97.7%!


CrystalDiskMark 3.0 - Read Seq
ASRock XFast USB Motherboard with Etron USB 3.0 Chipset
Other Motherboard with NEC USB 3.0 Chipset
276.6 MB/s
202.3 MB/s
36.7% Faster


CrystalDiskMark 3.0 - Read 512K
ASRock XFast USB Motherboard with Etron USB 3.0 Chipset
Other Motherboard with NEC USB 3.0 Chipset
264.5 MB/s
194.4 MB/s
36.1% Faster


ATTO Disk Benchmark - 8M Write
ASRock XFast USB Motherboard with Etron USB 3.0 Chipset
Other Motherboard with NEC USB 3.0 Chipset
151231 KB/s
76477 KB/s
97.7% Faster


ATTO Disk Benchmark - 512K Write
ASRock XFast USB Motherboard with Etron USB 3.0 Chipset
Other Motherboard with NEC USB 3.0 Chipset
148523 KB/s
76315 KB/s
94.6% Faster

Free Bundle

ASRock Smart Remote

MCE REMOTE CONTROLLER

The Microsoft MCE (Media Center Edition) function features an entire entertainment center which allows you to enjoy a more convenient way of viewing photos, playing DVDs, watching TV, listening to music, and so on. The MCE Remote Controller not only lets you enjoy the digital programs thoroughly but also allows you to power on/off the system more easily. The most important is that it is the world's first MCE remote controller which is able to power on your PC from ACPI S5 mode.

MULTI-ANGLE CIR REMOTE RECEIVER

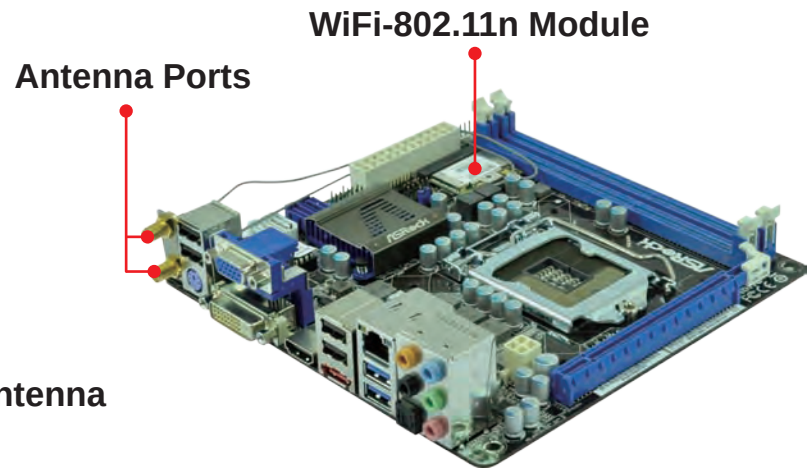
The MCE Remote Controller operates with this exclusive Multi-Angle CIR Remote Receiver. The CIR Remote Receiver is able to receive the multi-direction infrared signal (top, down and front), which is compatible with most of the chassis on the market.

3 CIR Sensors in Different Angles

ASRock WiFi 802.11n Module and WiFi 2.4GHz Antenna

WiFi-802.11n module is an easy-to-use wireless local area network (WLAN) adapter to support WiFi function. With WiFi-802.11n module, you can easily create a wireless environment and enjoy the convenience of wireless network connectivity. Therefore, from anywhere within the signal range,you will be able to play LAN games, connect to the Internet, access and share printers, and make Internet phone calls easily.

ASRock WiFi 2.4GHz Antenna



WiFi-802.11n module supports Station mode. You can use the wireless function to connect the access point (AP), or connect with other stations in the wireless range instead. There are two choices provided in station mode: Infrastructure mode and Ad-hoc mode.

Infrastructure Mode

In this mode, WiFi-802.11n module acts as a wireless adapter. It is centered on an AP that provides Internet access and LAN communication for the wireless stations, such as PC, notebook and other devices.

Ad-hoc Mode

If you don't have a present AP in your wireless network environment, you can set up WiFi-802.11n module in Ad-hoc mode. The wireless network brings together workstations, PC, notebook and other devices for wireless communication.

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Free Gift

3D Red/Cyan Anaglyph Glasses

INTEL® INTRU™ 3D
Free Gift
3D Red/Cyan
Anaglyph Glasses
Stereoscopic 3D Blu-ray playback experience in full HD 1080p resolution over HDMI 1.4a
Enjoy 3D Display Now!

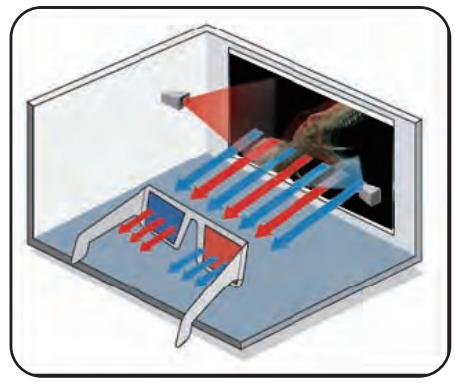
Undoubtedly, "jump-out-of -the-screen" stereoscopic 3D technology is a rising trend in entertainment. In order to let our users experience 3D display in a simple way, ASRock specially provides a set of 3D Red/Cyan anaglyph glasses in our package.

3D Video Systems and 3D Viewing

3D video systems are designed to duplicate this real-world experience by providing each eye a unique version of the video. The 3D image is created by displaying a separate image for each eye. Objects in a 3D video might appear to be in front of or behind the screen. To view 3D video, the display technology and the corresponding 3D glasses insure that the left eye sees only the video meant for the left eye, and so on for the right eye.

Anaglyphic 3D

Mention 3D video, many people are of course familiar with 3D glasses, one red and one blue, cyan or green lens. The red/blue system is mainly used for traditional television and computer 3-D effects, and was used in older 3-D movies. These glasses use the anaglyphic method of displaying a 3D image.



Anaglyph images are created by using color filters to remove a portion of the visible color spectrum from the image meant for each eye. When viewed through the color filters in the 3D glasses, each eye only sees the image that contains the portion of the color spectrum not filtered out by the lens. The disadvantage of Anaglyphic 3D is obvious; the overall image quality suffers as a large portion of the color spectrum is filtered out of the image for each eye.

What You Need?

ASRock H67 MB + Normal Monitor + 3D Red/Cyan Anaglyph Glasses +

3D Red/Cyan Content Video
+ Normal Player
or
Blu-ray 3D Content Video
+ PowerDVD 10 Blu-ray 3D

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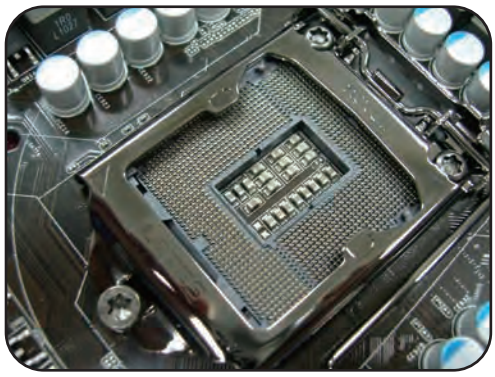
Support Intel® K-Series unlocked CPU



DuraCap

100% Japan-made high-quality Conductive Polymer Capacitors

THX TruStudio PRO™

THX TruStudio PRO™ is specially designed to bring the same great audio experience found in live performances, films, and recording studios - to the PC. THX TruStudio PRO™ provides the latest groundbreaking technologies that are products of years of collective experience. These technologies deliver the fullest audio experience for music, movies and games, while remaining true to the source and intention of the artists who created it

THX
TruStudio PRO™

AXTU – The All-in-1 Tuning Software

ASRock Extreme Tuning Utility (AXTU) is an all-in-one software to fine-tune different features in an user-friendly interface, which includes Hardware Monitor, Fan Control, Overclocking, OC DNA and IES. In Hardware Monitor, it shows the major readings of your system. In Fan Control, it shows the fan speed and temperature for you to adjust. In Overclocking, you are allowed to overclock the GT frequency which helps to boost up the graphics performance and some voltage settings for optimal system performance.
In OC DNA, you can save your OC settings as a profile and share with your friends. Your friends then can load the OC profile to their own system to get the same OC settings. In IES (Intelligent Energy Saver), the voltage regulator can reduce the number of output phases to improve efficiency when the CPU cores are idle without sacrificing computing performance.

UEFI – The Revolutionary BIOS Interface

ASRock UEFI Setup Utility
MAIN
ADVANCE
H/W MONITOR
BOOT
SECURITY
SAVE & EXIT
Description
The higher the level, the higher the fan speed
CPU Temperature : 40.5 C
N/B Temperature : 33.0 C
CPU Fan 1 Speed : N/A
CPU Fan 2 Speed : N/A
Chassis Fan 1 Speed : N/A
Chassis Fan 2 Speed : N/A
Chassis Fan 3 Speed : N/A
Power Fan Speed : N/A
Vcore : +1.44 V
+12.00V : +11.721 V
+5.00V : +4.752 V
+3.30V : +2.992 V
CPU Fan 1 & 2 Setting Full On
Chassis Fan 1 Setting Full On
Chassis Fan 2 Setting Level 4
Chassis Fan 3 Setting Full On
Over Temperature Protection Full On
Tomorrow's technology today
Tue 10/19/2010, 19:21:28

*Windows Vista-64bit or Windows 7-64bit OS is required

Unified Extensible Firmware Interface (UEFI) is a revolutionary BIOS utility which offers tweak-friendly options in an advanced viewing interface. Compared with traditional BIOS design, the latest UEFI utility provides lots improved functions. The major features of UEFI include:

1. Graphical Visual Experience – UEFI provides an improved visual interface with colorful icons and makes your computing environment more versatile to replace the traditional dull BIOS page.

2. Mouse Enabling – Besides keyboard control, you can freely use mouse to select your ideal settings in UEFI as well.

3. Supports 3TB bootable HDD - UEFI breaks the limitation of 2TB bootable HDD on traditional BIOS. With UEFI, you can enjoy 3TB bootable HDD size.

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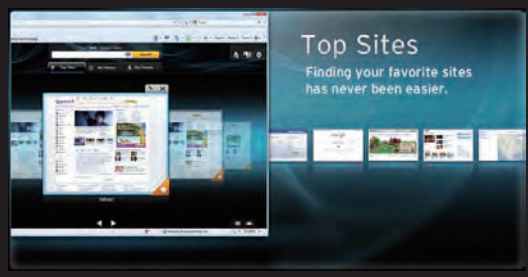
SmartView

Experience the Brand New Browser Now

SmartView is the smart start page for IE that combines your most visited web sites, your history, your Facebook friends and your real-time newsfeed into an enhanced view for a more personal Internet experience. ASRock motherboards are exclusively equipped with the SmartView utility that helps you keep in touch with friends on-the-go.

The Major Features of SmartView

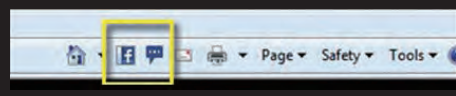
Visual thumbnail images which categorize and rank your frequently visited websites, as well as provide a chronological view of your browser history.



A persistent, real-time Facebook newsfeed located within the Internet Explorer sidebar.

A "Friend Wall" that conveniently alphabetizes your Facebook friends by profile photo, allowing immediate access to your friends' profile pages.

A "share this" button which allows you to instantly and immediately share webpage posts and links to your friends' Facebook pages.



A persistent search box from best-in-class search engines such as Google, Yahoo, Baidu (China only) and Yandex (Russia only).

Two mode options that allow you to choose your favored view style.

Flow Mode

Flow Mode

System Requirements
OS version: Win7 32/64 bit, Vista 32/64 bit□Browser version: IE8

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FREE Bundle
ASRock Software Suite
CyberLink Power2Go 6.1 LE OEM
CyberLink MediaShow 4.1 SE OEM
CyberLink PowerDVD 8.0 DTS Trial
CyberLink PowerDirector 8.0 Trial
CyberLink PowerBackup 2.5 Trial

CyberLink

CyberLink Power2Go 6.1 LE OEM

Power2Go 6 lets you burn and backup videos, photos, music and data onto Blu-ray Discs and DVDs.

CyberLink MediaShow 4.1 SE OEM

Photo and video management software MediaShow edits videos and photos instantly, creates slideshow, and allows publishing directly to YouTube and Flickr.

CyberLink PowerDVD 8.0 DTS Trial

World-renowned PowerDVD 8 DTS delivers outstanding DVD movie playback quality on your PC.

CyberLink PowerDirector 8.0 Trial

PowerDirector - Video Editing software – edits high-definition videos including AVCHD, allows output to PSP iPod and Blu-ray Disc.

CyberLink PowerBackup 2.5 Trial

PowerBackup backups valuable data on your PC.